

OKIJET® 2500

User's Guide



Every effort has been made to ensure that the information in this document is complete, accurate and up-to-date. Okidata assumes no responsibility for the results of errors beyond its control. Okidata also cannot guarantee that changes in software and equipment made by other manufacturers, and referred to in this handbook, will not affect the applicability of the information in this manual. Mention of software products manufactured by other companies does not necessarily constitute endorsement by Okidata.

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Conventions Used in This Guide



Notes containing general information.



Precautions against actions which could cause damage to the printer (set in *italic*).



Precautions against actions which could cause personal injury (set in ***bold italic***).

Year 2000 Compliance

All products currently sold by Okidata are Year 2000 Compliant. Each product contains information technology that accurately processes date and time data between the years 1999 and 2000. These products, when used in combination with products purchased from other manufacturers, whose products properly exchange date and time information, will accurately process the date and time. All future products are committed to meeting the same Year 2000 compliance.

ENERGY STAR



As an ENERGY STAR® Partner, Okidata has determined that this product meets the ENERGY STAR guidelines for energy efficiency.



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Important Safety Instructions

Your OKIDATA printer has been carefully designed to give you years of safe, reliable performance. As with all electrical equipment, however, there are a few basic precautions you should take to avoid hurting yourself or damaging the unit:

- Read the setup and operating instructions in this manual carefully. Be sure to save it for future reference.
- Read and follow all warning and instruction labels on the printer.
- Unplug the printer before you clean it. Use only a damp cloth; do not use liquid or aerosol cleaners.
- Place your printer on a firm, solid surface. If you put it on something unsteady, it might fall and be damaged; if you place it on a soft surface, such as a rug, sofa, or bed, the vents may be blocked, causing it to overheat.
- To protect your printer from overheating, make sure no openings on the printer are blocked. Do not put the printer on or near a heat source, such as a radiator or heat register. If you put the printer in any kind of enclosure, make sure it is well ventilated.
- Do not use your printer near water, or spill liquid of any kind into it.

- Be certain that your power source matches the rating listed on the back of the printer. If you are not sure, check with your dealer or with your local power company.
- Your printer has a grounded, 3-prong plug as a safety feature, and it will only fit into a grounded outlet. If you can not plug it in, chances are you have a non-grounded outlet; contact an electrician to have it replaced with a grounded outlet. Do not use an adapter to defeat the grounding.
- The printer must be installed near a power outlet which will remain easily accessible.
- To avoid damaging the power cord, do not put anything on it or place it where it will be walked on. If the cord becomes damaged or frayed, replace it immediately.
- *The use of an extension cord or power strip with this printer is not recommended or authorized.* Check building codes and insurance requirements before using an extension cord or power strip. If you are using an extension cord or power strip with the printer, make sure that the total of the amperes required by all of the equipment on the extension is less than the extension's rating. Generally, the

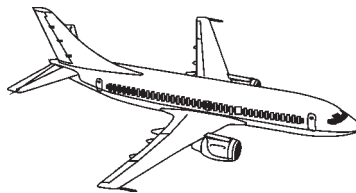


total ratings of all equipment plugged into any one power line should not exceed 15 amperes. Do not exceed this unless you know that the power line your equipment is plugged into has a rating above 15 amperes.

- Aside from the routine maintenance described in this handbook, do not try to service the printer yourself; opening the cover may expose you to shocks or other hazards. Do not make any adjustments other than those outlined in the manual—you might cause damage requiring extensive repair work. Section 7 explains how to get your printer serviced by qualified OKIDATA technicians.
- If anything happens that indicates that your printer is not working properly or has been damaged, unplug it immediately and follow the procedures in Section 7 for having your printer serviced. These are some of the things to look for:
 - The power cord or plug is frayed or damaged.
 - Liquid has been spilled into the housing, or the printer has been exposed to water.
 - The printer has been dropped or its cabinet has been damaged.
 - The printer does not function normally when you are following the operating instructions.

Oki Exchange™

- *Available in the U.S. and Canada only.*



You can extend your standard 2-year OKIJET 2500 printer Overnight Exchange policy (see page 61) by 1 or 2 years.

With Overnight Exchange, if you experience a malfunction of your Okidata printer and the problem can not be resolved over the phone, you can get a replacement printer the next business day — or no later than the second business day.

For more information ...

For pricing and more information on this program:

- call 1-800-OKIDATA (1-800-654-3282)
or
- visit our Web site: <http://www.okidata.com>



Setup

1

OKIJET 2500 Features



Superb Color Printing

- High quality 1200 x 600 dpi printing on glossy paper; 600 x 600 dpi on plain paper
- Automatic Color Control

Smarter Color System

- Individually replaceable ink cartridges
- True sensing of ink levels with both “Low Ink” and “Cartridge Empty” indicators for each color

Easy to Use

- Compatible with Windows® 95, Windows 3.1x & MS-DOS®
- Easy printer control, right from your PC screen

Versatile

- Paper, Labels, Transparencies
- Cards, Envelopes
- Iron-on Transfer Media

*Backed by a 2-Year Warranty, with Overnight Exchange**

- Full 2-year warranty with Overnight Exchange providing a replacement unit shipped to reach you the next business day — or no later than the second business day (*U.S. and Canada only)



Select a Location

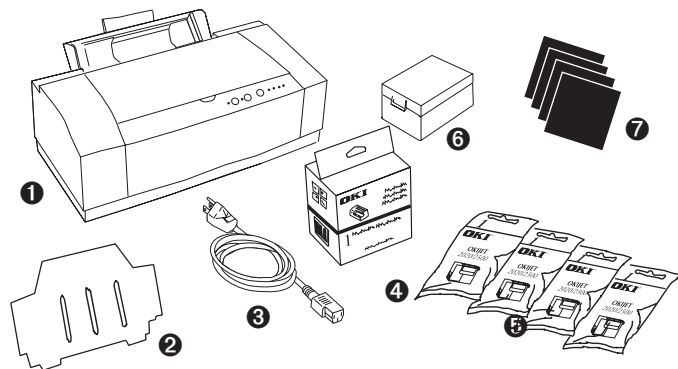
Select a flat, stable surface with space above and in front of the printer to provide adequate ventilation.

- Avoid direct sunlight
- Avoid air conditioners and heat sources
- Avoid areas with high vibration
- Avoid dusty/dirty environments

Unpack the Printer



Save the carton and packing materials in case you ever need to ship the printer.



Make sure you have:

- 1 Printer
- 2 Output Shelf
- 3 Power Cord
- 4 Color Printhead
- 5 4 Ink Cartridges (1 black, 1 cyan, 1 magenta, 1 yellow)
- 6 Printhead Storage Box
- 7 Diskette(s)

Anything missing or damaged? Contact your dealer.



A parallel printer cable is not supplied. To ensure the best computer to printer communications, use an IEEE-1284-compliant, parallel, bi-directional interface cable, such as Okidata 70000803.

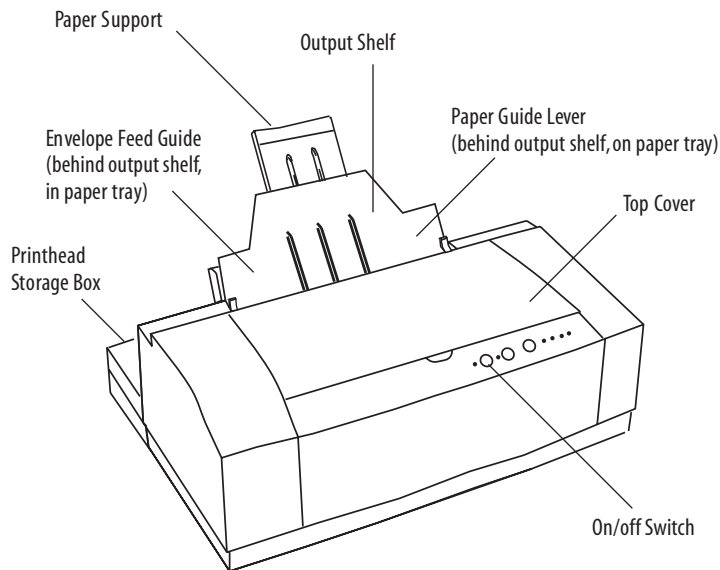
Remove the Packing Material

Remove the tape securing the top cover, then open the cover and remove the pieces of packing tape inside.

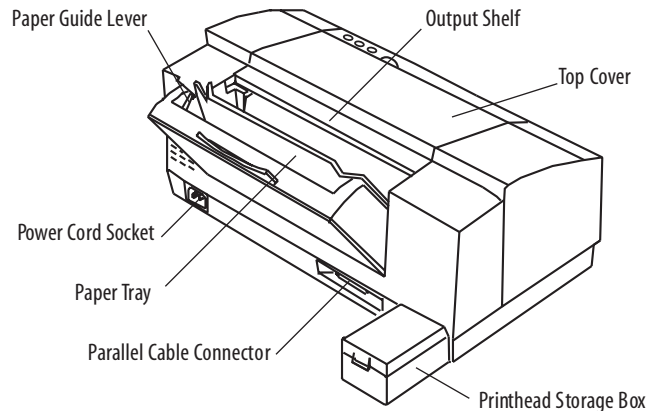




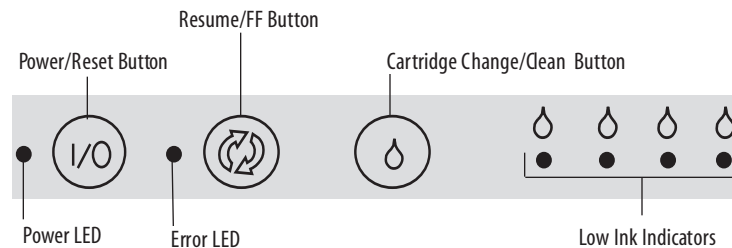
Getting to Know Your Printer



Front View



Back View



Control Panel



Connect to the Computer

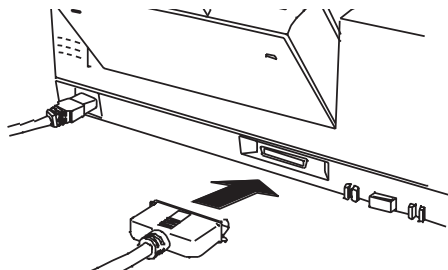


You'll need an IEEE-1284-compliant, parallel, bi-directional interface cable.

1. Turn off the computer.
2. Turn off the printer (press and hold the Power/Reset button for approximately 2 to 5 seconds).



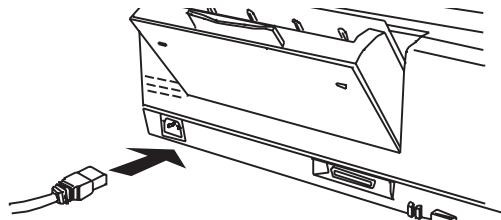
3. Plug the parallel interface cable into the printer and secure it with the wire clips.



4. Connect the other end of the cable to the parallel port on the computer, and turn on the printer, then the computer.

Connect to Power

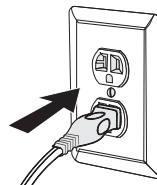
1. Insert power cord.



2. Connect to a grounded power outlet.



As a general safety precaution, do not use an extension cord!



The lights on the control panel may flash once then turn off.



To protect against damage to the printhead, ensure that the printer has stopped its operation completely (carriage at its left most “home” position) before detaching the power cord.



Do not unplug the printer for long periods of time: the printhead nozzles can dry out.



Do not use a power strip to control the power to the printer. The printer requires a small amount of power, even when off, in order to maintain the printhead.



In order to comply with UL and CSA safety regulations, you must use a UL-listed/CSA labelled detachable power cord with a 3-conductor, 18 AWG, SVT-type plug, having a grounding-type parallel blade and an IEC320-style cord connector, such as the one supplied with the printer.

Install the Printhead and Ink Cartridges

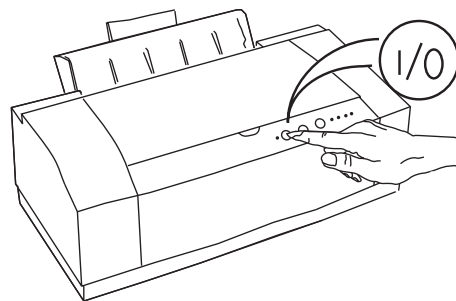


Keep the printhead and ink cartridges out of the reach of children. Do not get the ink near your eyes or mouth.



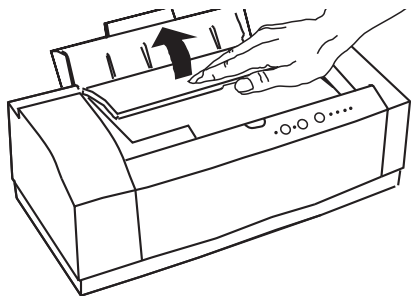
Avoid contact of the uncovered ink nozzles with hands and clothing. **The ink is not easy to remove.**

1. Turn on the printer: the Error LED lights, the Low Ink indicators flash, and the printhead carriage moves to the center (loading position).

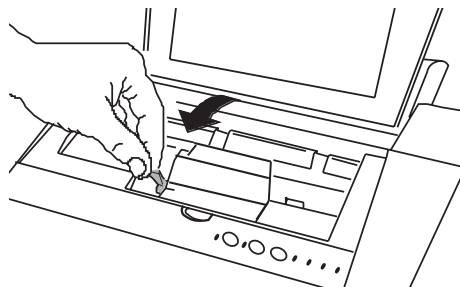


1 Setup

2. Open the top cover.



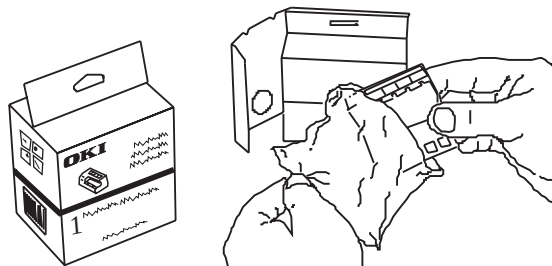
3. Make sure the green cartridge lock lever is forward.



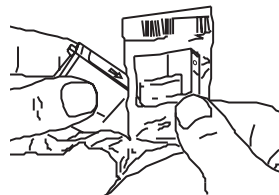
4. Unpack the printhead.



Be careful not to touch the printhead nozzles when removing the printhead from the plastic bag. Ink will get on your hands and the printhead can become contaminated.



5. Holding the bag upside down as illustrated, remove the black ink cartridge from its plastic bag.



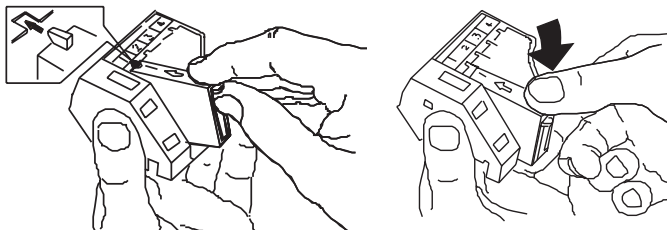


6. Carefully peel the plastic foil seal off the ink cartridge in the direction of the arrows printed on the seal.

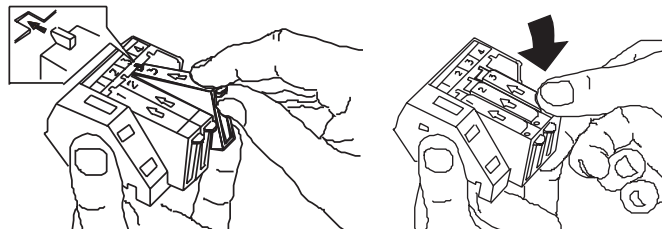


Do not force the ink cartridges into the printhead!

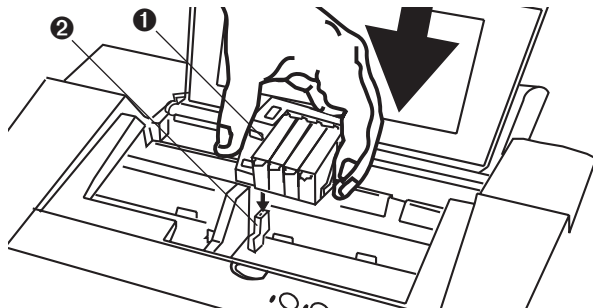
7. Grasp the printhead, insert the black ink cartridge into position 1 and snap it firmly down into place.



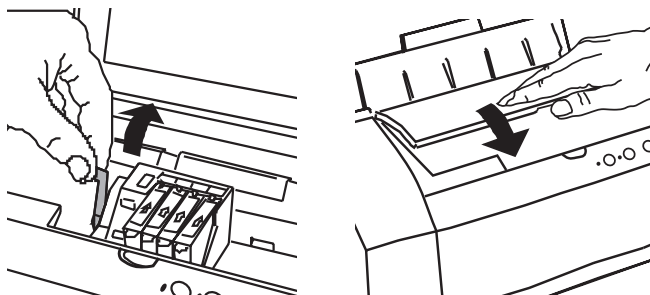
8. Repeat steps 5 to 7 for each color cartridge, matching the color/number on the ink cartridges with the corresponding color/number on the printhead.



9. Align the rectangular hole in the printhead (1) with the green post (2) on the printer carriage, then gently lower the printhead into position.



10. Push the green cartridge lock lever back to secure the printhead and close the cover.



11. Press and release the Cartridge Change/Clean button.



The printer prepares the printhead for printing. When the process is complete (about 30 seconds), the Error LED and the flashing Low Ink indicators turn off.

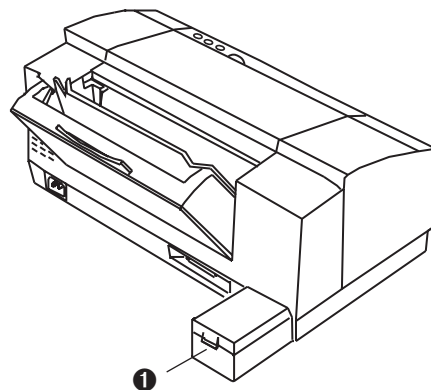


If the error LED remains lit after the Cartridge Change/Clean button is pressed, try removing and reinstalling the printhead assembly.

Install the Printhead Storage Box

For those who have both the optional high-capacity black printhead and the standard color printhead, the printhead storage box is designed to protect one while the other is in use. It is also used to store the printhead when the printer is being transported.

Attach the box (❶) included with your printer to the back of the housing:



If space limitations are a concern, you can store the box in any cool location away from direct sunlight.



Usable Print Media

Media	Use	Media Setting(s)	Media Size Setting(s)
Cards	Cards designated for inkjet printers.	Plain Paper	• US 4x6 OR US 5x8 • A6 (105 x 148 mm) • Hagaki (100 x 148 mm)
Envelopes	<i>Only short-flap, side-seam type, designated for inkjet printers.</i>	Plain Paper	• #10 (4.125 x 9.5 in) • DL (110 x 220 mm) • C6 (114 x 162 mm)
Labels	<i>Paper labels/full sheets only, designated for inkjet printers.</i>	Plain Paper	• Letter (8.5 x 11 in) • A4 (148 x 216 mm)
Banners	20 or 24-lb paper, designated for inkjet printers.	Plain Paper	• Banner • Banner A4
Paper	20 or 24-lb paper, designated for inkjet printers.	Plain Paper	See “ Selectable Sizes ” at right
Paper, Coated	24-lb, “Hi-Resolution” or “Premium Coated,” designated for inkjet printers.	• Premium coated paper • Photo quality matte paper	See “ Selectable Sizes ” at right
Paper, Glossy	Film-backed or paper-backed, designated for inkjet printers.	Photo quality glossy paper	See “ Selectable Sizes ” at right
Iron-on Transfer	Iron-on transfer media designated for ink jet printers.	Iron-on Transfer	• Letter 8.5 x 11 in • A4 148 x 216 mm
Transparencies	Transparencies designated for inkjet printers. Do <i>not</i> use paper-backed transparencies. <i>Place rough side against paper support!</i>	Transparency	• Letter 8.5 x 11 in • A4 148 x 216 mm



Be sure to select the proper media in the **Main** tab and media size in the **Page** tab of the **OKI OKIJET 2500** printer setup dialog box (see page 15).

See Section 6 for additional specifications on print media.

Selectable Sizes

- Letter (8.5 x 11 in)
- Legal (8.5 x 14 in)
- A5 (148 x 216 mm)
- B5 (182 x 257 mm)
- A4 (210 x 297 mm)
- Executive (7.25 x 10.5 in)



Recommended Print Media

Note: To change the print quality setting, open the **OKI OKIJET 2500** printer setup dialog box and select the desired print quality in the **Main** tab.

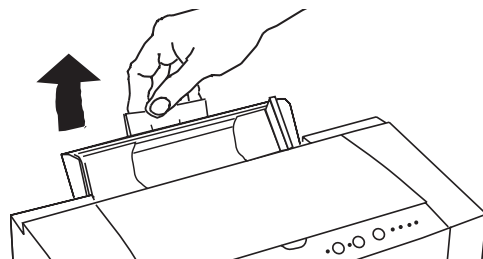
Media	Recommended	Print Quality
Plain Paper	Hammermill Jet Print Xerox 4024DP or Color Xpressions HP Bright White HP Greeting Card Paper	Normal or High Quality
Matte Coated Paper	HP Premium Ink Jet Paper Hammermill Jet Print Ultra-Matte	High Quality
Glossy Paper	Kodak Photo Weight Glossy Xerox Ink Jet Photo Glossy	High Quality
Banners	HP Banner Paper	Normal or High Quality
Transparencies	3M CG3410 Transparency Film	High Quality
Iron-on Transfer	Xerox Ink Jet Fabric Transfer	High Quality
Labels	Xerox Ink Jet Labels	Normal or High Quality
Envelopes	Use short-flap, not v-flap:  	High Quality

Load Paper

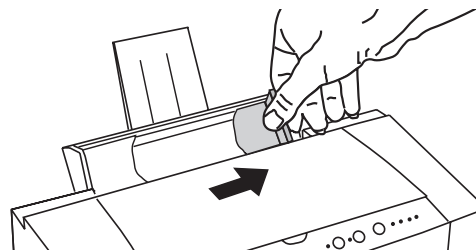


To avoid paper jams, always wait until the printer is done printing before loading paper.

1. Pull up the paper support.

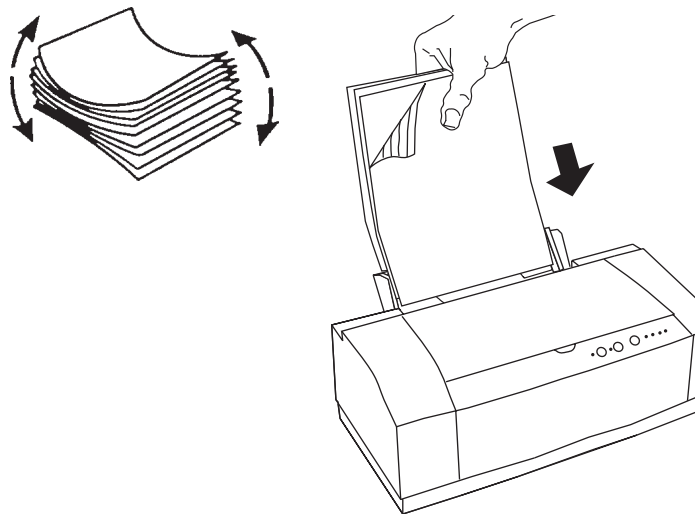


2. Slide the paper guide lever to the far right.



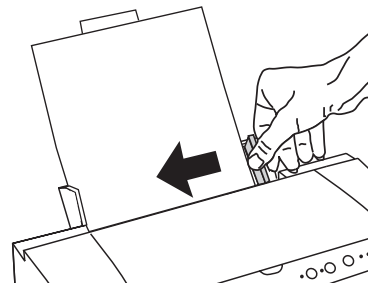


3. Fan a stack of paper and load it into the paper tray (max. 125 sheets 20-lb paper), with the *side to be printed facing the back*.

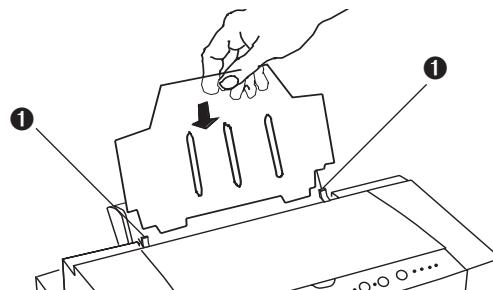


To load envelopes, banners and other print media, see page 18, ff.

4. Slide the paper guide lever to touch the right edge of the paper stack.



5. Install the output shelf behind the green tabs(❶), with the ribs facing forward. Make sure you insert the tabs on the shelf into the cutouts in the feed area.





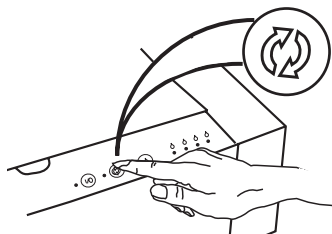
Print the Demo Page

We recommend that you run a demo print whenever the printer is moved or the ink cartridge is replaced.



The printer does not need to be attached to a host computer to perform this demo.

1. Make sure that at least 4 sheets of paper are loaded and that the printer is turned on (Power LED lit: if not, press Power/Reset button).
2. Press and hold the Resume/FF button for approximately 2 to 5 seconds, until the green LED flashes. The demo prints.



If the demo fails to print, repeat steps 1 and 2.



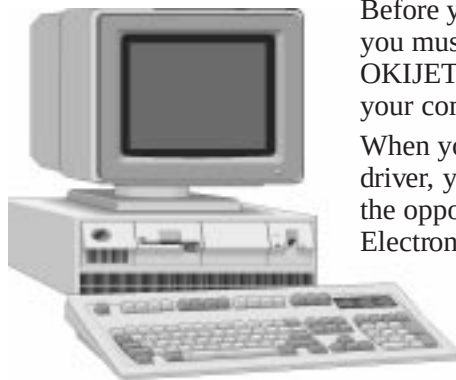
If the demo page shows streaks or missing colors, press and hold the Cartridge Clean button to start the cartridge cleaning process.



Printing

2

Install the Printer Driver/Electronic Registration Utility



Before you can begin printing, you must first install the OKI OKIJET 2500 printer driver in your computer.

When you are installing the driver, you will also be offered the opportunity to install the Electronic Registration utility.



This manual uses “d” to reference the CD ROM drive. If your CD ROM drive is another letter, substitute that letter wherever “d” appears in the installation steps.

Installation on Windows 3.1x

For Windows 3.1 or Windows for Workgroups 3.11:

1. Start Windows on your computer (make sure all other programs are closed before proceeding).
2. Insert the OKI OKIJET 2500 CD in your CD ROM drive.
3. From the **Program Manager**, choose **File**, then select **Run**.
4. Type *d:\setup*, then click **OK**.
The Welcome dialog box appears.
5. Click **Next**.
The Software License Agreement appears.
6. Click **Yes**.

The Select Components dialog box appears with the following components preselected:

- ☒ OKIJET 2500 Windows Printer Driver
- ☒ OKIJET 2500 Electronic Registration



7. Clear any components you do not wish to install (see note below regarding the various registration options available to you), then click **Next**.

*The **Printer Port Selection** dialog box appears.*

8. Select the port you wish to use (normally LPT1:), then click **Next**.

*The **Select Program Folder** dialog box appears.*

9. Click **Next**.

10. Click **Next** to start copying the files, then follow the remaining steps of the installation program.

To run the Win 3.1x Electronic Registration utility:



You must have a modem installed in your PC in order to use Electronic Registration. If you do not have a modem, you can still use the Electronic Registration utility to fill out the registration form, then print out a copy and fax it or mail it in. Or, if you prefer, you can register directly online at the Okidata internet site <http://www.okidata.com>.

1. Double click the **Electronic Registration** icon in the **OKI OKIJET 2500** program group.
2. Select the appropriate location, then click **Continue**.
3. Follow the steps of the **Electronic Registration** utility.

Installation on Windows™ 95:

1. Start Windows 95 on your computer (make sure all other programs are closed before proceeding).
2. Insert the OKI OKIJET 2500 CD in your CD ROM drive.
3. Click **Start** on the task bar.
4. Select **Settings → Printers**.
5. Double-click the **Add Printer** icon and follow the steps given in the **Add Printer Wizard** dialog box.



When you are prompted for the manufacturer and model of your printer, click **Have Disk**, then type d:\ and click **OK**. On the next screen, you will see **OKI OKIJET 2500** highlighted. Click **Next**, then follow the remaining steps of the **Add Printer Wizard**.

7. When the **Software License** dialog box appears, click **Yes**.
*The **Reboot** dialog box appears.*
8. Click **Yes**.
The system reboots

Your OKI OKIJET 2500 printer driver is now installed.

To load the Electronic Registration utility:

1. Click **Start** on the task bar, then click **Run**.
2. Type **d:\setup** and press the **Enter** key.
3. Follow the instructions given.



To run the Win 95 Electronic Registration utility:



You must have a modem installed in your PC in order to use Electronic Registration. If you do not have a modem, you can still use the Electronic Registration utility to fill out the registration form, then print out a copy and fax it or mail it in. Or, if you prefer, you can register directly online at the Okidata internet site <http://www.okidata.com>.

1. Click **Start** on the task bar.
2. Select **Programs → OKI OKIJET 2500 → Electronic Registration**.
3. Select the appropriate location, then click **Continue**.
4. Follow the steps of the **Electronic Registration** utility.

The Control Software

Use the OKIJET 2500 control software to

- **Print** from Windows applications
- **Manage** print jobs
- **Monitor** print jobs and print cartridge ink levels
- **Change** printer settings and print queue
- **Test** the printer

On-Line Help

The printer control software has extensive on-line Help, accessible from any dialog box. Click the **Help** button or press the **F1** function key.

Printing from Windows 3.1 or Windows for Workgroups 3.11 Applications

1. Double click the Windows Control Panel icon to open it:
2. Double click the **Printers** icon.
3. Select **OKIJET 2500** as your default printer.
4. Print as you normally would from your Windows 3.1x application.

Printing from Windows 95 Applications

1. Click **Start, Settings, Printers**.
2. Use the **right** mouse button to click the **OKIJET 2500** icon:
3. Click **Set As Default**.
4. Close the **Printers** dialog box.
5. Print as you normally would from your Windows 95 application.



OKI OKIJET
2500



Checking Printer Settings

You can check the printer settings by opening the **OKI OKIJET 2500** printer setup dialog box:



Scan through the setting options on the **Main**, **Page** and **Advanced** tabs: for more information, then click the **Help** button or press the **F1** key.

To Open the OKI OKIJET 2500 Printer Setup Dialog Box

From Windows 3.1x Control Panel

1. Double click the **Printers** icon.
2. Set **OKIJET 2500** as the default printer.
3. Click **Setup**.

The settings you make will apply to all print jobs and all Windows 3.1x-based applications.

In Windows 95

1. Click **Start, Settings, Printers**.
2. Use the *right* mouse button to click the **OKIJET 2500** icon:

OKI OKIJET 2500
3. Click **Properties**.
4. Make setting changes in the **Main**, **Page** and **Advanced** tabs.



To save your settings for future print jobs, click **Update** in the **Main** tab. Type the setting name you wish to use under **Setting:**, then click **Save**, **Close**.

5. Click **OK**.

The settings you make will apply to all print jobs and all Windows 95-based applications.



Canceling or Pausing a Print Job

Windows 3.1x

1. Click the **Print Manager** icon from the **Main** group.
2. Click the document name.
 - To cancel the print job, click **Delete**.
 - To pause the print job, click **Pause**. When you are ready to resume printing, click **Resume**.
3. Close the **Print Manager** window.

Windows 95

1. Click **Start, Settings, Printers**.
2. Double click the **OKI OKIJET 2500** icon.
3. Click the document name.
 - To cancel the print job, click **Cancel Printing** from the **Document** menu.
 - To pause the print job, click **Pause Printing** from the **Document** menu. When you are ready to resume printing, click **Resume Printing** from the **Document** menu.
4. Close the **OKI OKIJET 2500** window.

Printing from DOS Applications

To print from DOS applications which have the capability of selecting a printer driver:

1. Enter your application and set the printer driver to a Hewlett-Packard® PCL® 3c emulation printer such as HP® 550C (for color printing) or HP 500 (black only).



See your software documentation for information on selecting printer drivers.

2. Make any necessary changes in printer settings (see “To Open the OKI OKIJET 2500 Printer Setup Dialog Box” on page 15).

To print from DOS applications which do not have a printer driver selection or to print files directly from DOS, you need to use the OKIJET 2500 DOS Control Panel.



The OKIJET 2500 does not support color printing of *landscape* documents from DOS applications: if you send a color *landscape* document to the printer from a DOS application, it will print in monochrome black.



The OKIJET 2500 DOS Control Panel

Installing the DOS Control Panel

To install the DOS Control Panel on your computer:

1. Insert the DOS Control Panel diskette supplied with the printer in your 3-1/2" floppy disk drive.
2. At the MS-DOS prompt, type **a:\install** (or **b:\install**, if b is your 3-1/2" drive) and press **Enter**.

The **DOS Control Panel Installer** menu appears, showing the factory default settings:

OKIJET2500 Printer DOS Control Panel Installer	
Install Directory	C:\OKIDATA\InkJet
Exit	Start Install

3. Make any necessary changes in the install directory.
Use the tab key to highlight the directory, press **Enter**, type in your new choice, and press **Enter** again.
4. Use the tab key to highlight **Start Install**, then press **Enter**.

The DOS Control Panel Utility will be installed in the directory you specified.



If an ERROR message appears, check the install directory specified to be sure that it is a valid path, then try again.

Loading the DOS Control Panel for Use

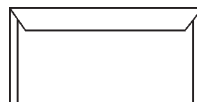
When you wish to use the DOS Control Panel:

1. Go to the DOS command prompt.
2. Make sure you are in the directory you specified as the Install Directory when you loaded the DOS Control Panel Utility.
3. Type **OJCONPNL**.
4. Press the **Enter** key.

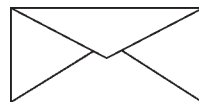
Printing on Special Media

Envelopes

Envelopes should be loaded with the flap facing the front of the printer (side to be printed facing the paper tray). **For best results, use short-flap, side-seam envelopes** rather than v-flap envelopes:



Short-Flap Type

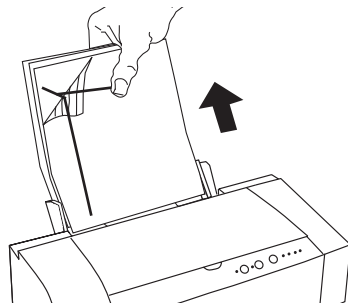


V-Flap Type (*Do not use*)

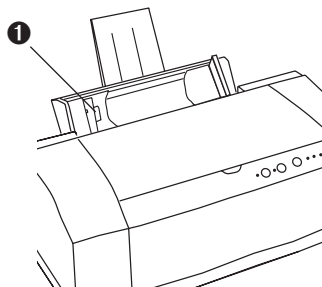
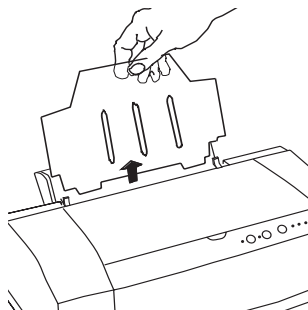


To load envelopes:

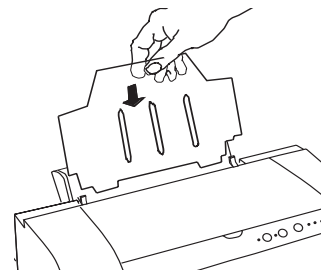
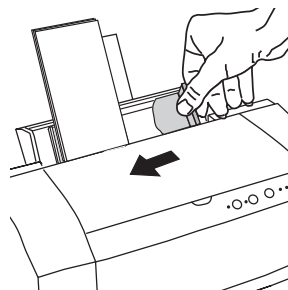
1. Remove any print media from the paper tray.



2. Remove the output shelf and flip up the envelope feed guide (1).



3. Place the envelopes against the feed guide, *address side against the paper tray*—*flap to the left*, then move the paper guide lever over to touch the right edge of the envelopes and replace the output shelf.



5. Make sure you have envelopes selected as the print media in your software and in the printer driver (open the **OKI OKIJET 2500** printer setup dialog box — see page 15 — and click the appropriate envelope size [#10, DL or C6] in the **Media size** listbox of the **Page** tab).



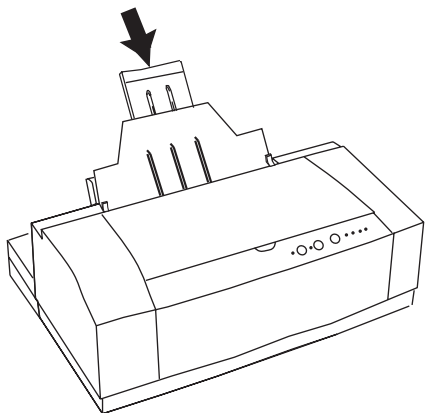
Banners



Printing on fan-fold banner paper can only be done using a software package which fully supports this feature, such as Corel Draw®. Some software packages may allow you to select “banner” printing, but only work if you feed in single sheets of paper then tape them together to form the banner.

To load fan-fold type banner paper:

1. Place the stack of paper behind the printer.
2. Push the paper support back down into the paper tray.



3. Adjust the paper guides for the width of the banner paper, then carefully insert the leading edge of the banner into the paper tray.

Other Media

Transparencies, sheets of labels, iron-on transfer media, etc. are loaded in the same way you load paper (*side to be printed facing the paper tray*): see page 10, ff.



For print media specifications, see Section 6.

*Before printing, make sure you have the appropriate print media and media size selected (see page 9): to select the media, go to the **Main** tab of the **OKI OKIJET 2500** printer setup dialog box; to select the media size, go to the **Page** tab of the **OKI OKIJET 2500** printer setup dialog box (see page 15).*



Maintenance

3

Replacing/Swapping the Printhead

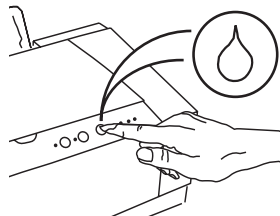


Keep the printhead and ink cartridges out of the reach of children. Do not get the ink near your eyes or mouth.

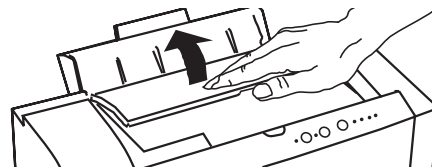


Do not touch the ink nozzles when removing the printhead! The printhead can become contaminated, and ink, which is not easily removed, will get on your hands and/or clothing.

1. Make sure the printer is turned on.
2. Press and release the Cartridge Change/Clean button.

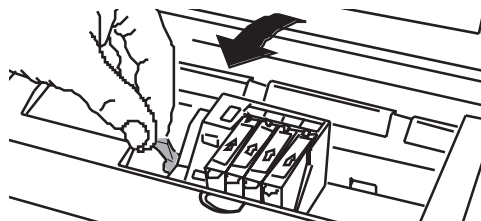


3. Open the top cover.



4. Once the carriage moves to the center and stops, pull the green cartridge lock lever to the forward position and remove the printhead.

The Low Ink indicators will flash, indicating that the printhead is removed.

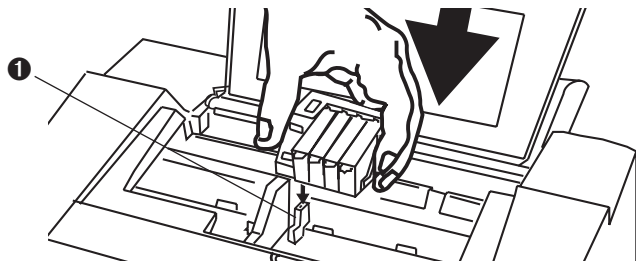




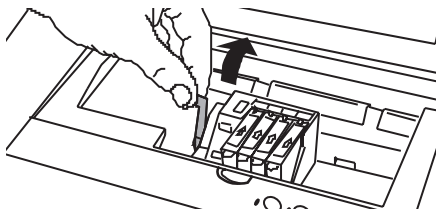
5. Install the new/swapped printhead: align the rectangular hole in the printhead with the green post (❶) on the printer carriage, then gently lower the printhead into position.



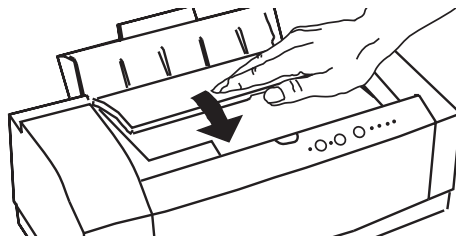
When installing a new color cartridge, insert the four color ink cartridges into the printhead before installing the printhead in the printer.



6. Push the green cartridge lock lever back to secure the printhead.



7. Close the top cover.

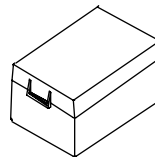


To avoid premature failure of the printhead, the printhead must be stored in the storage box when not installed in the printer.

8. If you are swapping printheads, place the printhead you removed in the storage box and firmly latch the cover.

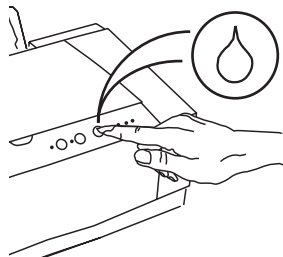


To maintain the stored printhead at peak performance, remove it from the storage box once a month and use it to print a few demo pages before returning it to the storage box.





9. Press and release the Cartridge Change/Clean button.



The printer will prepare the cartridge for printing.



If the carriage does not return home after the Cartridge Change/Clean button is pressed, try removing and reinstalling the printhead.

Replacing the Ink Cartridges

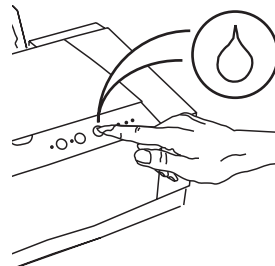


Keep the ink cartridges out of the reach of children. Do not get the ink near your eyes or mouth.



Be careful not to touch the ink nozzles when handling the printhead. Ink will get on your hands and the printhead can become contaminated.

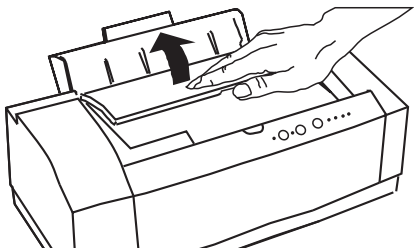
1. Press and release the Cartridge Change/Clean button.



3 Maintenance

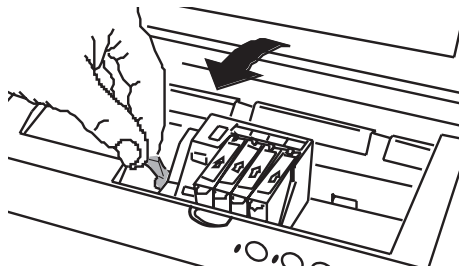


2. Open the top cover.



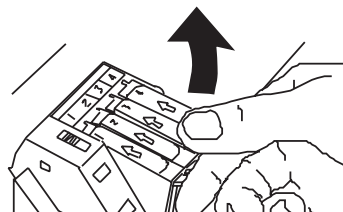
3. Pull the green lock lever forward and remove the printhead.

The Low Ink lights will all flash, indicating that the printhead is removed.

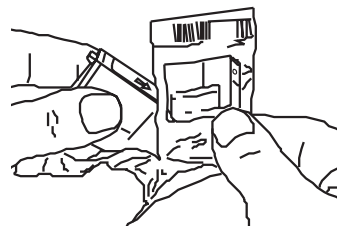


Do not remove the ink cartridge until you have a replacement cartridge to install!

4. Remove the empty ink cartridge from the printhead.



5. Holding the bag *upside down* as illustrated, remove the ink cartridge from its plastic bag.



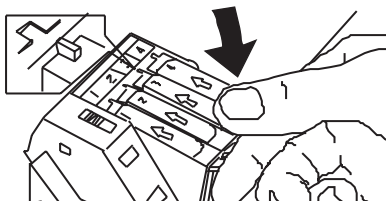


6. Carefully peel the plastic foil seal off the cartridge in the direction of the arrows printed on the seal.

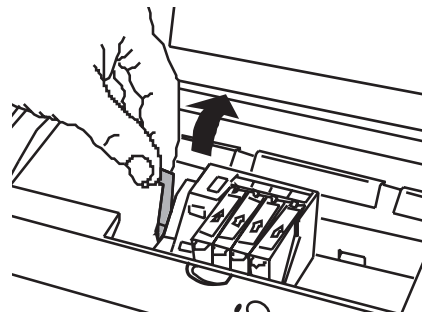


Do not force the ink cartridge into the printhead!

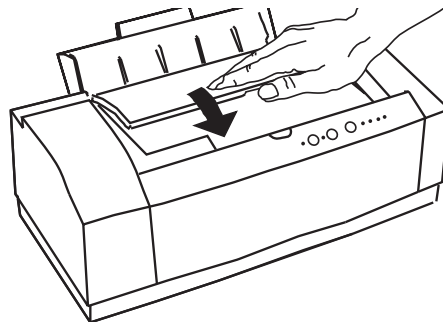
7. Insert the ink cartridge into the printhead and snap it firmly down into position.



8. Reinstall the printhead and push the green lock lever back.

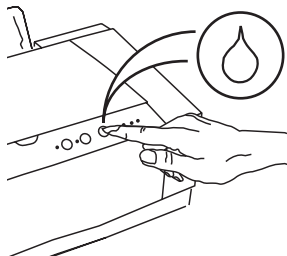


9. Close the top cover.





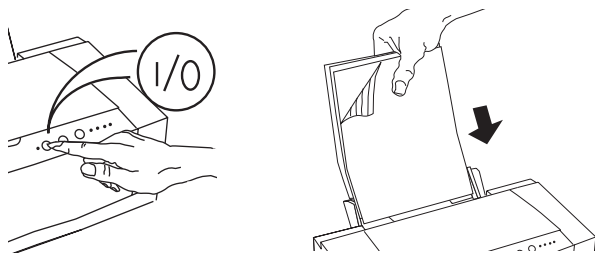
10. Press and release the Cartridge Change/Clean button.
The printer prepares the printhead for printing.



Cleaning the Printhead Nozzles

To clean the printhead nozzles

1. Make sure the printer is turned on and paper is loaded.



2. Press and hold the Cartridge Change/Clean button (marked with a drop icon) for two seconds.
3. Print the Test page (turn the printer off, then press the Resume/FF button (marked with a circular arrow icon) while turning it back on). If the Test page shows nozzles not firing, repeat steps 1 and 2.

Aligning the Printhead

In Windows 3.1 or Windows for Workgroups 3.11:

1. Open the **Control Panel**.
2. Click the **Printers** icon, then click **Setup**.
3. Click the **Printer** tab.
4. Click **Align**, then **Yes**.
The test page prints.
5. Click the number which corresponds to the straightest set of vertical lines on the test page.
6. Click **Align**.
The test page prints.
7. Repeat steps 5 and 6 until the straightest set of lines corresponds to 0.
8. Click **Done** and exit back out.



In Windows 95:

1. Click **Start**, **Settings**, **Printers**.
2. Click the **OKIJET 2500** icon with the *right* mouse button.
3. Click the **Printer** tab.
4. Click **Align**, then **Yes**.

The test page prints.

5. Click the number which corresponds to the straightest set of vertical lines on the test page.
6. Click **Align**.

The test page prints.

7. Repeat steps 5 and 6 until the straightest set of lines corresponds to 0.
8. Click **Done** and exit back out.

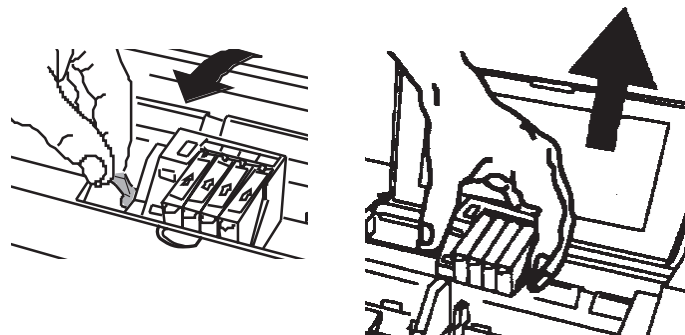
Transporting the Printer



Significant changes in temperature and/or pressure can cause leakage in the ink cartridges and the color printhead. If such changes will occur as you transport the printer (e.g., from a cooled or heated interior environment to a hot or cold exterior environment, or by airplane), please turn to Appendix A for transport instructions.

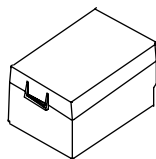
When moving the printer from one location to another without any significant changes in temperature or pressure:

1. Open the cover, pull the lock lever forward and lift out the color printhead.





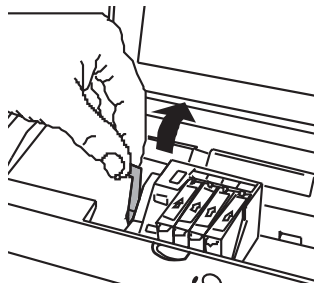
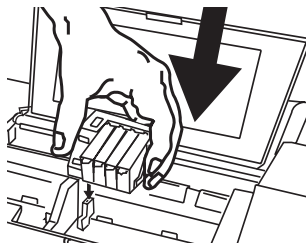
2. Place the color printhead in the printhead storage box.



If you have a high-capacity black printhead stored in the box, remove it and install it in the printer (because it is sealed, the optional high-capacity black printhead can be left in the printer during transportation).

As soon as possible after the move:

1. Remove the color printhead from the storage box and reinstall it in the printer.



If you swapped the color and black printheads, you will need to remove the black printhead from the printer before reinstalling the color printhead.

2. Make sure paper is loaded, then press the Power/Reset button to power up.



4. Press and hold the Resume/FF button for 2 to 5 seconds to run a demo print.





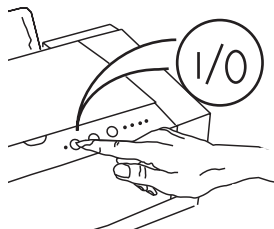
Cleaning the Printer



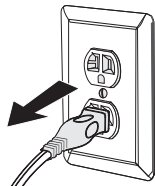
To avoid damage to the printer:

- Do not pour or spray any liquid directly on the printer.
- Use only water to moisten the cleaning cloth: do not use detergent, alcohol, etc.

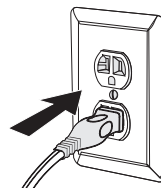
1. Press and hold the Power/Reset button for 2 to 5 seconds to stop the printer's operation.



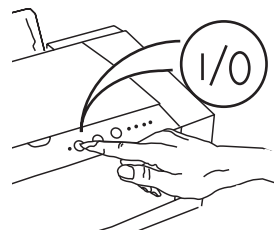
2. Unplug the power cord from the outlet.



3. Slightly dampen a soft, clean cloth with water and wipe the printer cover.
4. Dry the printer cover with a clean cloth.
5. Plug the power cord back into the outlet.



6. Press the Power/Reset button to turn the printer back on.





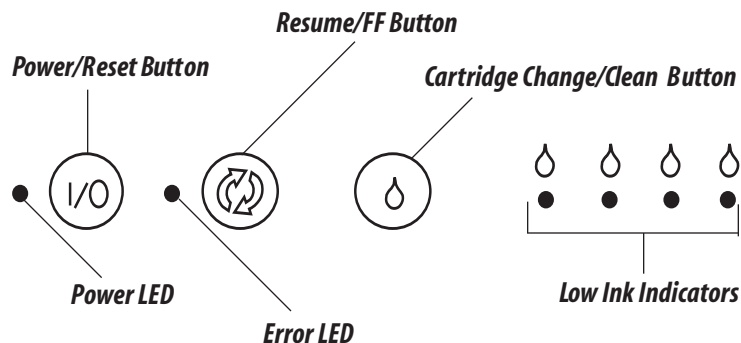


Control Panel

4

Control Panel

Each button and LED on the control panel has multiple functions.



Control Panel Buttons

Power/Reset Button



Function	Action
Turn the printer on.	Press and release.
Turn the printer off.	Press and hold for 2 to 5 seconds.
Reset the printer.	With the printer on, press and release. The data remaining in the buffer is cleared. Settings permanently stored in the printer memory are retained.



If the Power/Reset button is pressed during the print cycle, the printer will complete the current line before it stops printing.



Resume/FF Button



Function	Action
Resume printing.	If the printing has paused, press and release.
Form Feed.	Press and release.
Eject paper.	Press and hold for 2 to 5 seconds.
Clear error (Error LED lit).	Press and release.
Print Demo page.	Make sure: 1. Paper is loaded. 2. There are no print jobs in progress. 3. There is no paper in the print path. Then press and hold the Resume/FF button for 2 to 5 seconds.
Print Test page.	1. Turn off the printer. 2. Press and hold the Resume/FF button while turning the printer back on. The test page prints and the printer returns to the on-line state.

Cartridge Change/Clean Button

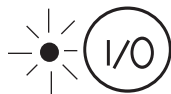


Function	Action
Change ink cartridge(s).	With the power on, press and release. (See the label inside the printer cover, or the instructions under “Replacing the Ink Cartridges” in Section 3 of this manual for instructions on changing ink cartridges).  <i>You can change cartridges during printing by pressing the Cartridge Change/Clean button, but doing so may affect the print quality.</i>
Clean the ink jet nozzles.	With the power on, press and hold the button for 2 to 5 seconds.  <i>You can clean cartridges during printing by pressing the Change Cartridge/Clean button. When the printer finishes printing the current line, it ejects the sheet, and cleans the cartridge, then inserts a new sheet of paper and resumes printing where it left off.</i>



Control Panel Indicator Lights

Power LED



Condition	Meaning
On	Printer is on-line and ready to print.
Blinking	Printer is processing data.

Error LED



Condition	Meaning
On	Recoverable error. To correct this, press and release the Resume/FF button.
Blinking	Non-recoverable error: contact your service dealer (see Section 7 for information on getting service).

Low Ink Indicators



Condition	Meaning
Off	Ink cartridge contains sufficient ink.
On	Cartridge is getting low on ink (about 10 to 15% left): make sure you have a replacement cartridge on hand.
Blinking	Ink cartridge is empty and must be replaced.
	Ink cartridge is installed incorrectly
	Wrong brand of ink cartridge is installed.
	Printhead is not installed in printer.





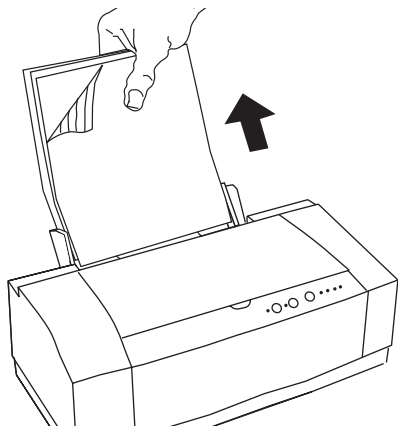
Troubleshooting

5

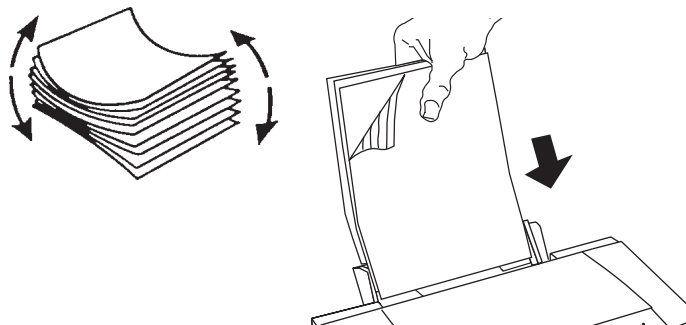
Clearing Paper Misfeeds

The Error LED will be lit to indicate a misfeed. To clear a paper misfeed:

1. Remove all paper from the paper tray.



2. Fan the paper and reinstall it in the paper tray.



3. Press and release the Resume/FF button to continue the print job.



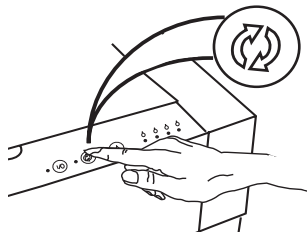
If the misfeeds continue, flip the paper stack over (keeping the print side facing the paper support) and press and release the Resume/FF button to continue the print job.



Clearing Paper Jams

If the Trailing Edge is Accessible

If the trailing edge of the paper is accessible in the paper tray, grasp it, then press the Resume/FF button for 2 to 5 seconds. This frees up the paper so that you can pull it out.

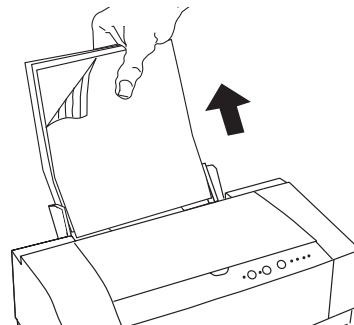


To continue the print job, press the Resume/FF button.

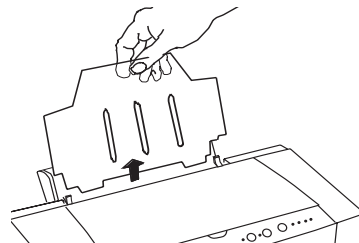


If the Trailing Edge is Not Accessible

1. If you cannot get to the trailing edge of the paper in the paper tray, remove the unused paper from the tray.



2. Remove the output shelf.





3. Press back firmly on the green plastic tabs at either side of the paper tray until they *unsnap*, then remove the paper tray, *observing carefully how the tray is installed*.



4. Remove the jammed sheet of paper from the printer.

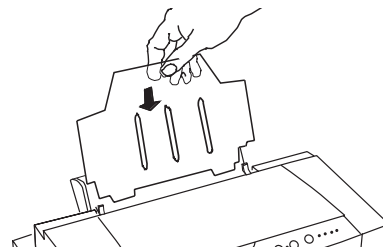
5. Press in on the feed plate (❶) and insert the tray into the back of the printer at the bottom of the tray opening, then pivot the tray toward you and release the feed plate.



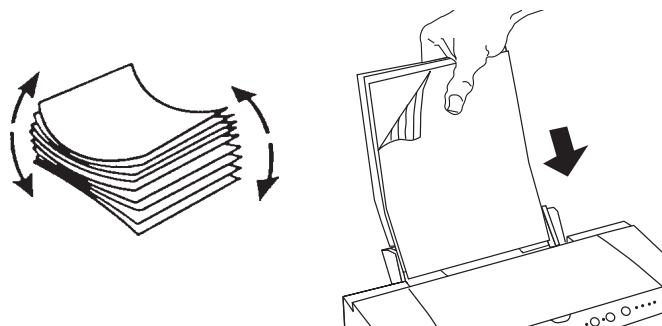
6. Take hold of the green tabs and push down until they *snap* in place.



7. Reinstall the output shelf.



8. Fan the paper and reinstall it in the paper tray.



9. Press and release the Resume/FF button to continue the print job.





Clearing Multi-Page Paper Jams

If a clump of 10 or more pages has jammed in the printer, removing the paper tray will not allow sufficient clearance to extract it. To correct such a paper jam:

1. Follow steps 1 through 4 under “If the Trailing Edge is Not Accessible” (see pages 36-37).
2. Remove the top cover:
 - a. Open the cover about half way, then press against the side to disengage the pin from the hole.



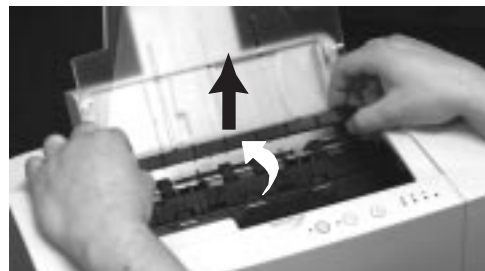
- b. Slide the pin at the other end out of its hole and lift the cover off.
3. Make sure that the printhead is in the left-most position. If not, press the Cartridge Change/Clean button (ⓐ).

4. Remove the Star Wheel bar:

- a. Press in *firmly* at either end to disengage the latch tabs.

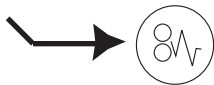


- b. Pivot the bar back and lift it out.





5. While pressing down on the green dot inside the printer, remove the jammed paper.



6. Reinstall the Star Wheel bar:

a. Insert the pins (1) in the cradles (2) at either end and push the bar firmly down into place.



b. Pivot the bar forward and press in at either end to reengage the latch tabs.



7. Reinstall the top cover (insert pin in the hole on one side, then press against the opposite side to slip its pin into the corresponding hole).



8. Follow steps 5 through 8 under “If the Trailing Edge is Not Accessible” (see page 37).



Problem Solving

Problem	Possible Meaning(s)	Solution(s)
Printer Power LED does not turn on.	No power from outlet	Connect the power cord to a different power outlet.
	Power cord is not securely inserted into the power outlet and/or the printer.	Remove the power cord from the wall outlet, then remove it from the printer and reinsert it. Plug the power cord back into the wall outlet.
	Power cord is damaged.	Check the power cord and replace if damaged.
Printer output does not reflect the options selected.	The options selected with the print driver are being overridden by the application.	The application may override any options that are selected using the printer driver. Choose the desired options through your application.
Blank print	Printhead, cable or PC	Print Demo page (See “Print the Demo Page” in Section 1). <i>Demo page is OK</i>: check cable and PC. <i>Demo page is blank</i>: - Remove/reinstall printhead; print demo page. - Demo page <i>still</i> blank: press Cartridge Change/Clean button for 2 to 5 seconds to clean the printhead. Repeat if necessary. - Demo page <i>still</i> blank: replace printhead. - Demo page <i>still</i> blank: contact your local service dealer (see Section 7).



Problem	Possible Meaning(s)	Solution(s)
Data is sent, but not printed.	Printer is not set for local port.	Check the port setting (usually lpt1) for your printer to be sure that it is not being directed either to a remote printer or to print to file. (See the Details tab of the OKI OKIJET 2500 printer setup dialog box.)
	Interface cable is not connected properly.	Press and release the Power on/Reset button to make the printer stop its operation. Then properly reconnect the interface cable to the printer and host computer.
	Interface cable is damaged.	Check the interface cable and replace if damaged.
	The type of interface is incorrect.	Verify that the computer is using the parallel interface. Check your software manual to make sure that your software communicates to the interface port to which your printer is connected.
	Interface cable is incorrect.	You must use an IEEE 1284-compliant, parallel, bi-directional interface cable.
Data is sent, but not printed and the Error LED is blinking.	Printer has paused.	Press and release the Resume/FF button to continue printing.



Problem	Possible Meaning(s)	Solution(s)
Error LED is on.	Printer is out of paper.	Add paper to the paper tray and press the Resume /FF button.
	Printhead has not been correctly installed.	Remove and reinstall the printhead.
	Carriage position error has occurred.	1. Press the Resume /FF button to clear the error and eject the paper. 2. Ensure that all packing material is removed.
	Paper feed error has occurred.	If paper has misfed, remove the jammed paper. (Refer to “Clearing Paper Misfeeds” earlier in this Section).
	The optional high-capacity black printhead is installed and color print is selected in the Printer Driver Setup.	• <i>For black only print</i>, press and release the Resume/FF button. • <i>For color printing</i>, replace the high-capacity black printhead with the color printhead.
Error LED is blinking.	An internal printer fault has occurred.	Turn the printer off, then back on. If the problem persists, unplug the printer from the outlet, then plug it back in and turn it on. If the problem still persists, contact your local service dealer (see Section 7).



Problem	Possible Meaning(s)	Solution(s)
White horizontal lines and streaks appear in the printing.	The printhead nozzles are blocked.	1. Press the Cartridge Change/Clean button for 2 to 5 seconds to clean and restore the printhead. 2. Print the Test page (hold Resume/FF button while turning printer on). If the Test page shows nozzles not firing, repeat the above process up to 5 times. If the problem continues, replace the printhead.
	The ink cartridge is empty.	Replace the ink cartridge.
	The printer is connected to a power strip which has been turned off.	The printer requires a continuous, small amount of power to maintain the printhead. If you use a power strip with the printer, you must leave it turned on at all times.
	The printhead has been left in the storage box for a long time.	To maintain a stored printhead, you need to remove it from the storage box once an month and use it to print several pages before returning it to the storage box. Try pressing the Cartridge Change/Clean button for 2 to 5 seconds to clean and restore the printhead.
Print is faint or missing.	The paper being used is not one of the recommended types.	Refer to Section 6 for paper recommendations.
	The ink cartridge is empty.	Replace the ink cartridge.
	Print quality is set to Draft.	Use the printer driver to select a different print quality.



Problem	Possible Meaning(s)	Solution(s)
Print is faint or missing (continued).	The printhead nozzles are blocked.	1. Press the Cartridge Change/Clean button for 2 to 5 seconds to clean and restore the printhead. 2. Print the Test page (hold Resume/FF button while turning printer on). If the Test page still shows nozzles not firing, repeat step 1 two more times. If the problem is still not corrected, replace the printhead.
	The ink cartridge is clogged, defective, or empty.	Press the Cartridge Change/Clean button for 2 to 5 seconds, then print the Test page (hold Resume/FF button while turning printer on). If necessary, repeat the process up to 5 more times. If the problem is still not corrected, replace the ink cartridge.
Blurry, or jagged vertical lines	Paper problem	Turn the paper over to print on the other side.
	Printhead out of alignment	• Perform the printhead alignment procedure (see page 26). • Switch to High Quality print mode in the printer driver.
Poor print quality when printing on transparencies.	“Transparency” is not selected as the Media.	In the Printer Setup dialog box (see page 15), select Transparency as the Media in the Main tab.
	The document was printed on the wrong side of the transparency.	Remove the transparencies from the printer, turn them over, and reinsert them: the rough side should face the paper tray.
	Transparencies in the output shelf are not yet dry and new transparencies being printed are causing smearing as they enter the output shelf.	Remove transparencies from the output shelf as soon as they are printed.



Problem	Possible Meaning(s)	Solution(s)
Print image is clipped or off the edge of the print media.	The selected document margins exceed the printer margins.	Adjust the margins in the application as necessary.
	Incorrect settings for media size and/or type in the printer driver setup.	Ensure correct selection of media size and type in the printer driver setup.
Printing on one page of the document suddenly gets much larger and that page flows onto several pages.	The Reset button was accidentally pressed during a printer error recovery process.	When the document has finished printing, resend the affected page.
Paper is not feeding properly.	The paper is not correctly positioned between the paper guides.	Make sure the left edge of the paper is aligned with the left paper guide and that the paper guide lever is against the right edges of the paper.
	The paper is not loaded properly.	• Remove the paper, fan the stack, reload. • Ensure that paper tray is not overloaded. • Use new paper.
	More than one type of print media is loaded in the paper tray or the paper loaded is not recommended.	• Make sure that only one type of paper is loaded in the tray: mixing different types of paper in tray will cause paper jams. • Verify use of recommended media (see Section 6).



Problem	Possible Meaning(s)	Solution(s)
Paper does not stack neatly in the output tray.	The Star Wheel bar is not properly engaged.	Remove the top cover (see page 38, ff.) and make sure that the Star Wheel bar is firmly engaged, then replace the top cover.
	The star wheels in the Star Wheel bar are jammed or askew.	Remove the Star Wheel bar (see page 38) and make sure all the star wheels can rotate freely, then reinstall the Star Wheel bar.
Low Ink Indicator on.	Low ink in corresponding cartridge.	Make sure you have a replacement ink cartridge on hand.
Low Ink indicator blinking.	The corresponding ink cartridge is empty.	Replace the ink cartridge.
	The ink cartridge is not installed correctly.	Press down on the cartridge to ensure that it is fully seated.
	The printhead is not installed	Install the printhead (see steps 9 through 11 on page 7).
	The cartridge lock lever is not in the locked position.	Open the top cover and make sure the lock lever is pushed back all the way (see page 7).
	The wrong type of ink cartridge is installed.	Replace the ink cartridge with a genuine Okidata ink cartridge.



Specifications

6

Printer Specifications

Print Method: Four-color thermal, drop-on-demand ink jet

Print Speed: *Color Printhead (standard):*
Black printing: up to 5 ppm
Color printing: up to 2.5 ppm

High-Capacity Black Printhead (option): up to 7 ppm

Printhead Nozzles: *Color Printhead (standard):* 120 nozzles—24 cyan, 24 magenta, 24 yellow, 48 black

High-Capacity Black Printhead (option): 128 nozzles

Print resolution: 1200 x 600 dpi on glossy paper; 600 x 600 dpi on plain paper (addressable dots per inch)

Compatibility: Microsoft Windows 3.1x, Windows 95 PCL3C emulation for DOS applications 80286 or faster IBM®-compatible PC

Interface: Parallel, bi-directional. Cable must be IEEE 1284 compliant.

Emulation: HP PCL3C
HP DeskJet® 550C

Paper capacity: 125 sheets, 20-lb. (80 g/m²) bond paper

Print media: Plain paper, transparencies, envelopes, card stock, paper-faced labels, high resolution paper, photo glossy paper and fabric transfer sheets



Resident: Courier, CG Times, Univers
typefaces

Symbol Sets: HP PC-8, HP ROMAN-8, PC-8 Dan/Nor (ISO 21), PC-850, ECMA-94 Latin 1 (ISO 8859/1), German (ISO 21), French (ISO 69), Italian (ISO 15), Spain (ISO 17), Swedish Names (ISO 11), Swedish (ISO 10), Norwegian 1 (ISO 60), Norwegian 2 (ISO 61), Portuguese (ISO 16), UK (ISO 4), ANSI ASCII (ISO 6), HP-Legal, ISO IRV (ISO 2), HP-PC-852, Latin 2 (ISO 8859/2), Latin 5 (ISO 8859/9), HP-PC-8 Turkish, Russian (Cyrillic, 3R), and Russian (Cyrillic, 10N) character sets.

Consumable Life, @ 5% Coverage:

Color Printhead: 3,000 pages

High-Capacity Black Printhead (Option): 1,460 pages

Color Ink Cartridges: 295 pages

Black Ink Cartridge: 275 pages

Printable area: *Left, Right, Top Margins:* 0.20-inch (5 mm)
Bottom Margin: 0.5 to 0.71-inch
(12.7 to 18 mm)

Output Tray: 50 sheets 20 lb. (80 g/m²) paper

Operating
Temperature: 60 to 85°F (15 to 30°C)

Operating
Humidity: 20% to 80% RH (No condensation)

Sound level: Printing less than 46 db (A) average

Electrical: 90 to 260 volts AC, 50/60 Hz
110V/60 Hz: 0.1A idle, 0.5A operating
230V/50 Hz: 0.08A idle, 0.3A operating

Dimensions: 16-3/8" W x 11-3/4" D x 7-5/8" H
(416 x 299 x 193 mm)

Weight: 10.1 lbs. (4.6 kg)

Specifications are subject to to change without notice.



Paper Specifications

Most types of paper will work well in your printer, although some variables in paper composition may affect print quality. Most high-grade photocopying papers produce good results. The majority of cotton bond papers also yield excellent results. Paper should be tested fully before large quantities are purchased.



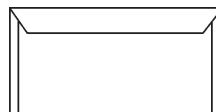
Avoid extremely thin paper, thick paper, or chemically processed paper, such as thermal fax paper, as frequent paper misfeeds may occur.

Sheet Feeder Capacity	up to 125 sheets
Weight	16-36 lb. (60-135 g/m ²)
Common Sizes	USA: Letter (8½" x 11") Legal (8½" x 14") Executive (7¼" x 10½") International: A4 (210 x 297 mm), B5 (182 x 257 mm)
Minimum Size	3.9" x 3.9" (100 x 100 mm)
Maximum Size	9" x 14" (229 x 356 mm)

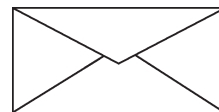
Envelope Specifications

Most types of envelopes will work well in your printer. Some variables in paper composition may affect the quality of the printing. Envelopes should be tested before large quantities are purchased.

For best results, use short-flap, side-seam envelopes rather than v-flap envelopes:



Short-Flap Type



V-Flap Type

Sheet Feeder Capacity	up to 10 envelopes, 20-lb (75 g/m ²) weight
Usable Types	USA: #10 (4-1/8" x 9½") International: C6 (114 x 162 mm) DL (110 x 220 mm)
Weight	20-24 lb. (75 to 90 g/m ²)
Minimum Size	3.9" x 3.9" (100 x 100 mm)
Maximum Size	9" x 14" (229 x 356 mm)



Label Specifications



Always use labels designed specifically for ink jet printers. Use only paper face label stock. Ink will not dry on vinyl, plastic, or clear label stock.

Use only full sheets of labels: partial sheets can jam the printer! Do not use any label material which is partially used, folded, curled, or wrinkled.

Sheet Feeder Capacity	Up to 50 sheets
Sheet Size	USA: Letter (8½" x 11") International: A4 (210 x 297 mm)

Transparency Specifications

Important! *Do not use paper-backed transparencies! Always use transparencies designed specifically for ink jet printers.*

Sheet Feeder	up to 10 transparencies
Size	USA: Letter (8½" x 11") International: A4 (210 x 297 mm)

Card Specifications

Sheet Feeder Capacity	Up to 10 cards
Weight	90 lb. (163 g/m ²) max.
Minimum Size	3.9" x 3.9" (99 x 99 mm)
Maximum Size	9" x 14" (229 x 356 mm)

Iron-on Transfer Specifications

Iron-on transfer media is used for copying images to T-shirts, canvas or similar material. Please see the instructions supplied with your iron-on transfer media for the actual transfer instructions.

Important! *Purchase iron-on transfer media **specifically designated for ink jet printers**. Be sure to test the media with your printer before buying large quantities.*

Sheet Feed Capacity	One Sheet
Size	Letter (8½" x 11") A4 (210 x 297 mm)



Customer Support & Service

7

Getting Support and Service



This information is valid for the United States and Canada only.

Your Dealer

Consult the store where you purchased your printer, or call 1-800-OKIDATA (1-800-654-3282) for the location of the nearest Authorized Okidata Service Dealer. Have your ZIP code ready.

- Prices and minimum charges may vary.
- Proof of purchase is required for warranty work. Be sure to retain your purchase documents.

Okidata Information System Automated Attendant

For automated customer support information, call 1-800-OKIDATA (1-800-654-3282); available 24 hours a day, 7 days a week, providing immediate assistance with:

- Sales and Service Referrals
- Parts and Consumable Referrals
- Product Information

This service also provides access to Okidata's Faxable Facts document retrieval system and to our Okidata Customer Support Professionals.



Okidata Customer Support Professionals

Agents are available 24 hours a day, seven days a week. Call 1-800-OKIDATA (1-800-654-3282). Please call from a telephone close to your printer, so you can refer to it directly as needed during the conversation.

Our Customer Support Representatives are trained on all current Okidata products. They can answer your questions regarding

- Locations of Sales and Service Dealers
- Installation of your OKI printer
- Usage and normal maintenance of your printer
- Availability and installation of printer drivers



Customer Support Representatives are not trained to provide assistance with the use of commercial software packages. Please consult your software user's manual for times and availability of their support.

- Error message interpretation and solutions
- Parts identification
- Consumer relations

Okidata Faxable Facts

Call 1-800-654-6651 and follow the recorded message (English only) to have information faxed to you automatically through Okidata's Faxable Facts on-line document retrieval system:

- Pricing and information on OKIJET Print Cartridges and Accessories
- OKIJET Support Bulletins
- Okidata Product Information



Okidata Service Locations

For the latest list of Okidata Service Centers, see the Okidata Web site at <http://www.okidata.com>.

- Allow 3½ business days for repair.
- Carry-in repairs must be called in first to schedule service.
- Before shipping your printer, you must call and obtain a return authorization number.

USA Okidata 57 Carnegie Plaza Cherry Hill, NJ 08003 Attn.: Field Service Dept. <i>Phone:</i> 1-800-654-3282 <i>Fax:</i> 1-609-222-5247	USA Okidata 851 Feehanville Drive Mt. Prospect, IL 60056 Attn.: Field Service Dept. <i>Phone:</i> 1-800-654-3282 <i>Fax:</i> 1-609-222-5247
Argentina Megatech Lavalle 1524 1048 Buenos Aires, Argentina <i>Phone/Fax:</i> (541) 371-4123 [Touch-Tone® required]	Brazil Oki Data do Brasil, Ltda Av. Leonardo da Vinci, 1178/1182 Jabaquara Sao Paulo, Brazil <i>Phone:</i> (5511) 5589-1518 <i>Fax:</i> (5511) 5584-0267

Canada Okidata 2735 Matheson Blvd. East, Unit 1 Mississauga, Ontario Canada L4W 4M8 Attn.: Field Service Dept. <i>Phone:</i> 1-800-654-3282 <i>Fax:</i> 905-238-4427	Chile Teknos Comunicaciones Santa Elena 2222 Santiago, Chile <i>Phone:</i> 56 (2) 555 5530 <i>Fax:</i> 56 (2) 550 2390
Colombia Soluciones Tecnologicas C/93 #14-17, OF 308 Centro 93 Bogota, Colombia <i>Phone:</i> (571) 218-2380 <i>Fax:</i> (571) 622-1280	Mexico Oki Data de Mexico, S.A. de C.V. Av. Insurgentes 1700-7 Piso Col. Florida 01030 <i>Phone:</i> 525-661-6860 <i>Fax:</i> 525-661-5861
Venezuela MAI de Venezuela S.A. Torre Lincoln, Piso 8 Sabana Grande Caracas, Venezuela <i>Phone:</i> 782.78.11 <i>Fax:</i> (02) 781.9390	

Purchasing Replacement Parts & Accessories

Before you order, know your printer model number (see the front of the printer) and have the correct part number and description of the item.

Ways to Purchase

- Consult the dealer where you purchased your printer.
- Consult an Okidata Authorized Sales or Service Dealer. Call 1-800-OKIDATA (1-800-654-3282) for the nearest Authorized Sales and Service location: have your ZIP code and telephone area code ready.
- Check office supply catalogs or your local stationery store. Be sure to ask for genuine Okidata ink cartridges!
- In the US, order toll-free by phone at 1-800-OKIDATA (1-800-654-3282), using VISA, MasterCard, or American Express.
 - \$10.00 minimum purchase required
 - Orders shipped within 24 hours.
- In Canada, call 905-602-6400 to order parts: VISA and American Express are accepted.

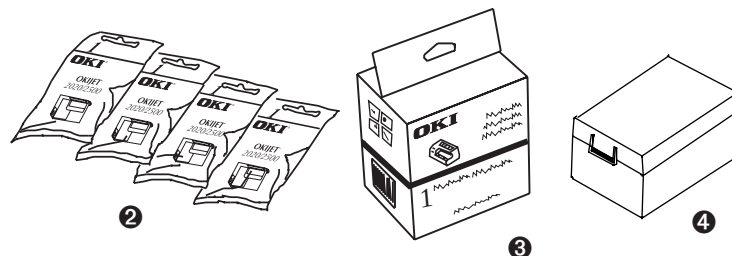
Accessories & Service Manual

Item	Order No.
Black Printhead (❶)	52110101
Service Manual	59272601



Replacement Parts

Part	Order No.
Ink Cartridges (❷)	
Black	52110001
Cyan	52110002
Magenta	52110003
Yellow	52110004
Color Printhead (❸)	52110102
Printhead Storage Box (❹)	53591201





Transporting the Printer

A

Transporting the Printer under Special Conditions

If you will be transporting the printer under either or both of the following conditions:

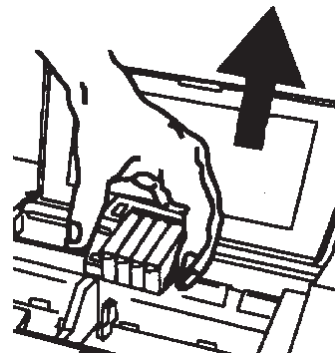
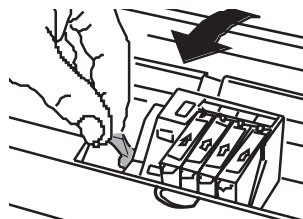
- Elevation Changes greater than 1,000 feet
- Temperature Changes greater than 20°F (10°C)

you will need to remove the color printhead and the individual ink cartridges before transport.



Because it is sealed, the high-capacity black print-head can be left in the printer during transport. If you have the color printhead stored in the storage box, you must remove the ink cartridges before transporting it under the above conditions (see steps 2 through 5).

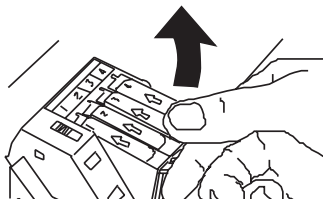
1. Open the cover, pull the lock lever forward and lift out the color printhead.





2. One at a time:

- a. Remove each ink cartridge, and wipe the area around the ink port dry with a tissue.



- b. Wrap the cartridge in plastic wrap (keep *ink port up* to minimize ink spillage), and tape the wrap securely.

3. Place the ink cartridges *ink port up* in a plastic bag with a zipper-type top seal, then squeeze out as much air as possible and seal the bag.

4. Place the empty color printhead in the printhead storage box.

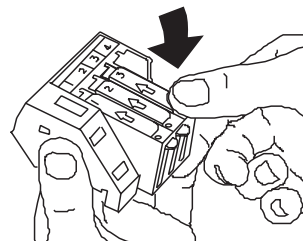
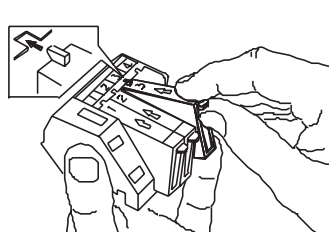


If you have a high-capacity black printhead stored in the box, remove it and place it in the printer during transportation.

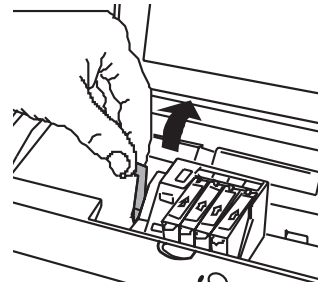
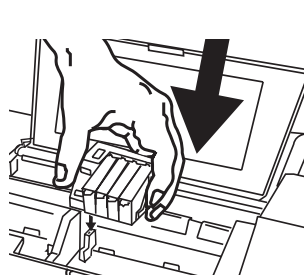
5. Place the storage box in a plastic bag with a zip-type sealable top and seal the top.

As soon as possible after the move:

1. Remove the color printhead from the storage box.
2. Unpack and wipe off the ink cartridges, then snap each ink cartridge into the corresponding color/number slot in the printhead.

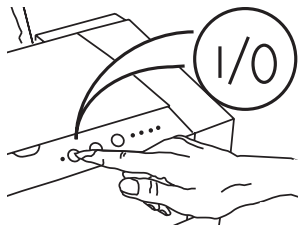


3. Reinstall the printhead.

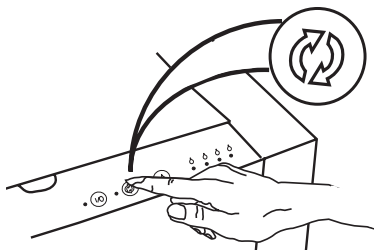




2. Make sure paper is loaded, then press the Power/Reset button to power up.



4. Press and hold the Resume/FF button for 2 to 5 seconds to run a demo print.





FCC, IC, CE Statements

Federal Communications Commission Radio Frequency Interference Statement

WARNING: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Plug the unit into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.



It is the responsibility of the user to obtain the required *shielded* cable in order to ensure compliance of this equipment with FCC regulations.

Changes or modifications not expressly approved by OKIDATA may void your authority to operate this device.

Industry Canada Radio Interference Statement

This OKIDATA apparatus complies with the Class B limits for radio interference as specified in the Industry Canada Radio Interference Regulations.

European Union Council of the European Communities (CE) Statement of Electromagnetic Conformance

This product complies with the requirements of the Council Directive 89/336/EEC on the approximation of the laws of the member states relating to electromagnetic compatibility.



Limited Warranty

Okidata, division of Oki America, Inc. (Okidata) warrants this printer to be free from defects in material and workmanship and will remedy any such defect according to the terms of this Limited Warranty. This Limited Warranty does not extend to consumable items, including but not limited to print cartridges, etc.

Okidata warrants that this machine is manufactured from new parts, or new and serviceable used parts which perform like new parts, and that it is in good working order.

Okidata will repair (or at its option, replace) at no charge, any defective OKIJET 2500 printer for two (2) years from the date of purchase. This Limited Warranty extends to the original purchaser only.

When warranty service involves the exchange of a machine or part, the item replaced becomes the property of Okidata. The replacement may be a new or a repaired item. The replacement item assumes the remaining warranty period of the original machine.

To make request or claim for service under this Limited Warranty the original purchaser must return the Okidata product, shipping prepaid, in the original shipping container or equivalent, to Okidata or an authorized Okidata service center and assume the risk of loss or damage in transit.

BEFORE YOU SEND THE UNIT FOR WARRANTY SERVICE, REMOVE THE INK CARTRIDGES TO PREVENT DAMAGE TO THE PRINTER DURING SHIPMENT: failure to do so may result in your being charged a fee for cleaning/repairs. A written receipt for the product, showing the date of purchase, dealer's name, and both the model and serial numbers of the Okidata printer must accompany any request or claim for work to be performed under this Limited Warranty.

This Limited Warranty shall not apply if the product has been damaged due to abuse, misuse, misapplication, accident, or as a result of service or modification by any other than an authorized Okidata service center.

THERE ARE NO EXPRESS OR IMPLIED WARRANTIES OTHER THAN THOSE ON THE FACE HEREOF AND DESCRIBED ABOVE. NO WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL EXTEND BEYOND THE WARRANTY PERIOD DESCRIBED ABOVE OF TWO (2) YEARS. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.



Additional information on obtaining service under this Limited Warranty is available by contacting the Okidata dealer from whom the product was purchased, by contacting Okidata directly at 1-800-OKIDATA (1-800-654-3282), or by contacting one of the service depots listed under “Okidata Service Locations” on pages 52 and 53.

This Limited Warranty applies to all OKIJET 2500 printers. The procedure for obtaining service may vary outside the continental United States and Canada. Contact your Okidata dealer for such warranty service information.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state and from province to province.



Overnight Exchange



Available in the United States and Canada only.

If you choose to use our Overnight Exchange service, call 1-800-OKIDATA (1-800-654-3282): our trained personnel will try to solve your problem over the phone. If they determine that your printer hardware is defective, an exchange machine will be shipped to you via air express. You will receive the exchange machine the next business day — or no later than the second business day.

You must return the failing machine to Okidata by packing it in the materials from the exchange machine, and making it available for pickup by Okidata's representative within 2 business days from your receipt of the exchange machine: failure to do so will result in your being charged the full price of the exchange machine. **BEFORE YOU SHIP THE MACHINE, REMOVE THE INK CARTRIDGES TO PREVENT DAMAGE TO THE PRINTER DURING SHIPMENT:** failure to do so may result in your being charged a fee for cleaning/repairs.

Overnight Exchange is not available for machines that have been defaced, altered, or damaged beyond repair. When Overnight Exchange is used, the returned machine becomes the property of Okidata.

Exchange machines may be new or repaired, at the option of Okidata: the exchange machine becomes the property of the customer when the returned machine has been picked up by Okidata's designated carrier and it assumes the remainder of the warranty period from the returned machine. The returned machine must not be encumbered.

Overnight Exchange is not a guarantee of uninterrupted or error-free functioning of a machine. Overnight Exchange does not include repair of failures caused by: misuse, neglect, accident, modification, operation outside the operating environment described in this User's Guide, improper maintenance by you, failure caused by service of the machine by non-authorized servicers, or failure caused by a product, including supply products for which Okidata is not responsible.

Acronyms

CMYK. Cyan/Magenta/Yellow/Black: K is used for black because B is used to represent blue in RGB.

cpi. Characters per inch.

cpl. Characters per line.

dpi. Dots per inch (printer resolution).

DOS. Disk Operating System.

LED. Light Emitting Diode.

PCL3C. Hewlett Packard Printer Command Language.

RGB. Red/Green/Blue.

RH. Relative humidity.

Terms

Cotton bond paper. Paper with a high proportion of cotton fiber. Usually this is a high-quality paper.

Dither. A method by which dots are combined on a page to produce a wide spectrum of colors or gray tones.

Font. A character or set of characters having the same typeface, size and style: e.g., 12-point, Univers, bold.

Ink Jet. One nozzle of an ink jet printer head.

Ink Jet Printer. A type printer that heats the ink to a boiling point in a nozzle to form a bubble. When the ink expands, the ink is projected onto the paper.

Internal Fonts. Fonts which are resident in the printer.

Parallel Interface. An interface that transmits multiple bits simultaneously.

Parallel Port. A parallel interface port (generally designated LPT1:, LPT2:, etc.) on the back of a PC system or unit, most often used to connect a printer.

Print Drivers. Software which interfaces between the printer and computer and controls the printer's attributes.

Printhead Nozzles. The orifices in an ink jet printhead from which the ink is expelled.

Resident Fonts. Fonts residing in the printer: same as internal fonts.

Resolution. The degree of fine detail in printing, expressed in dots per inch (dpi). The higher the dpi, the greater the detailed fineness of the printed image. The lower the dpi, the coarser the printed image will appear.



Material Safety Data Sheet (MSDS)

MSDS No. 58321301

for OKIJET 2500 Black Ink Cartridge (P/N 52110001)

For more information, contact

OKIDATA

532 Fellowship Road,
Mt. Laurel, NJ 08054-3405.

*For emergency information, contact Okidata's agent, the
Xerox Customer Safety hotline, 24 hours a day, at
1-800-828-6571.*

Emergency First Aid Procedures

Emergency	Procedure
Contact occurs with skin.	Wash affected area with soap and water.
Contact occurs with eyes.	Flush eyes with large quantities of water for 15 minutes, keeping eyelids open with fingers. Seek medical attention.
Ink is ingested.	If person is conscious, dilute stomach contents with several glasses of water. Seek medical attention.
Ink is inhaled.	Remove person from area of exposure to fresh air.

Preparation Date: June 1, 1998

Ingredients

Water: 50-60%

CAS # 7732-18-5

OSHA PEL N/E*

ACGIH TLV N/E*

Dipropylene glycol: 10-15%

CAS # 110-98-5

OSHA PEL N/E*

ACGIH TLV N/E*

Trade Secret Ingredient: 15-20%

New Jersey Trade Secret

Registration # 489 909-5060P CH

Trade Secret Ingredient: <5%

New Jersey Trade Secret

Registration # 5859800-5002

TPM: 10-15%

CAS # 20324-33-8

OSHA PEL N/E*

ACGIH TLV N/E*

Physical Data

Melting Point: N/D*

Boiling Point: N/D*

Vapor Pressure: N/D*

Evaporation Rate (Butyl Acetate=1): N/D*

Specific Gravity (H₂O=1): N/D*

pH: 7.0 to 7.7

Solubility in Water: Soluble.

Appearance and Odor: Black liquid with slight odor.

*N/A = Not applicable, N/D = Not determined, N/E = None established.



Fire and Explosion Hazard Data

Flash Point: Non-flammable

Autoignition Point: N/A*

Flammability Limits, LEL, UEL: N/A*

Extinguishing Media: N/A*

Special Fire and Explosion Procedures: None

Unusual Fire and Explosion Hazards: None.

Health Hazard Data:

Routes of Entry: Skin, eyes, ingestion, inhalation

Health Hazards:

Oral LD₅₀: Not determined.

Dermal LD₅₀: Not determined.

Inhalation LC₅₀: Not determined. Potential inhalation exposure is extremely low given the physical nature of the product.

Skin Irritation: Non-irritating, non-sensitizing.

Eye Irritation: Not an irritant (rabbits).

Ingestion: May cause gastro-intestinal discomfort with ingestion of large quantities.

Mutagenicity: No mutagenicity detected.

Carcinogens: None present.

Reactivity Data

Stability: Stable.

Polymerization: Will not occur.

Hazardous Decomposition or Byproduct: None.

Incompatibility: Acids.

Spill Cleanup and Disposal

Spill Cleanup: Use absorbent towel to wipe up the ink. Rinse area with water.

Waste Disposal: Not a hazardous waste according to Federal Regulation 40 CFR 261. Dispose of in accordance with all applicable Federal, State and Local laws.

Safe Handling and Use

Respiratory Protection: None required when used as intended.

Protective Gloves and/or Eye Protection: Water-proof gloves in unusual handling. Goggles or safety glasses recommended.

Ventilation: Not normally required.

Other Protective Equipment and/or Hygienic Practices: None required when used as intended.

Special Precautions

Precautions for Handling or Storage: Keep out of reach of children.

Other Precautions: None.

The information contained in this Material Safety Data Sheet (MSDS) is based on data considered accurate; however, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third person party proximately caused by the product if reasonable safety procedures are not adhered to as stipulated in the MSDS. Furthermore, vendor assumes no responsibility for injury to vendee or third person party proximately caused by abnormal use of the product even if reasonable safety procedures are followed. Additionally, vendee assumes the risk of their use of the product.



Material Safety Data Sheet (MSDS)

MSDS No. 58321401

for OKIJET 2500 Cyan Ink Cartridge (P/N 52110002)

For more information, contact

OKIDATA

532 Fellowship Road,

Mt. Laurel, NJ 08054-3405.

For emergency information, contact Okidata's agent, the Xerox Customer Safety hotline, 24 hours a day, at 1-800-828-6571.

Emergency First Aid Procedures

Emergency	Procedure
Contact occurs with skin.	Wash affected area with soap and water.
Contact occurs with eyes.	Flush eyes with large quantities of water for 15 minutes, keeping eyelids open with fingers. Seek medical attention.
Ink is ingested.	If person is conscious, dilute stomach contents with several glasses of water. Seek medical attention.
Ink is inhaled.	Remove person from area of exposure to fresh air.

Preparation Date: June 1, 1998

Ingredients

Water: 40-45%

CAS # 7732-18-5

OSHA PEL N/E*

ACGIH TLV N/E*

TPM: 10-15%

CAS # 20324-33-8

OSHA PEL N/E*

ACGIH TLV N/E*

Trade Secret Ingredient: 30-40%

New Jersey Trade Secret

Registration # 15859800-5005

Dipropylene glycol: 10-15%

CAS # 110-98-5

OSHA PEL N/E*

ACGIH TLV N/E*

Physical Data

Melting Point: N/D*

Boiling Point: N/D*

Vapor Pressure: N/D*

Evaporation Rate (Butyl Acetate=1): N/D*

Specific Gravity (H₂O=1): N/D*

pH: 7.5 to 8.0

Solubility in Water: Soluble.

Appearance and Odor: Cyan (blue) liquid with slight odor.

*N/A = Not applicable, N/D = Not determined, N/E = None established.



Fire and Explosion Hazard Data

Flash Point: Non-flammable

Autoignition Point: N/D*

Flammability Limits, LEL, UEL: N/A*

Extinguishing Media: N/A*

Special Fire and Explosion Procedures: None

Unusual Fire and Explosion Hazards: None.

Health Hazard Data:

Routes of Entry: Skin, eyes, ingestion, inhalation

Health Hazards:

Oral LD₅₀: Not determined.

Dermal LD₅₀: Not determined.

Inhalation LC₅₀: Not determined. Potential inhalation exposure is extremely low given the physical nature of the product.

Skin Irritation: Non-irritating, non-sensitizing.

Eye Irritation: Not an irritant (rabbits).

Ingestion: May cause gastro-intestinal discomfort with ingestion of large quantities.

Mutagenicity: No mutagenicity detected.

Carcinogens: None present.

Reactivity Data

Stability: Stable.

Polymerization: Will not occur.

Hazardous Decomposition or Byproduct: None.

Incompatibility: Acids.

Spill Cleanup and Disposal

Spill Cleanup: Use absorbent towel to wipe up the ink. Rinse area with water.

Waste Disposal: Not a hazardous waste according to Federal Regulation 40 CFR 261. Dispose of in accordance with all applicable Federal, State and Local laws.

Safe Handling and Use

Respiratory Protection: None required when used as intended.

Protective Gloves and/or Eye Protection: Water-proof gloves in unusual handling. Goggles or safety glasses recommended.

Ventilation: Not normally required.

Other Protective Equipment and/or Hygienic Practices: None required when used as intended.

Special Precautions

Precautions for Handling or Storage: Keep out of reach of children.

Other Precautions: None.

The information contained in this Material Safety Data Sheet (MSDS) is based on data considered accurate; however, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third person party proximately caused by the product if reasonable safety procedures are not adhered to as stipulated in the MSDS. Furthermore, vendor assumes no responsibility for injury to vendee or third person party proximately caused by abnormal use of the product even if reasonable safety procedures are followed. Additionally, vendee assumes the risk of their use of the product.



Material Safety Data Sheet (MSDS)

MSDS No. 58321501

for OKIJET 2500 Magenta Ink Cartridge (P/N 52110004)

For more information, contact

OKIDATA
532 Fellowship Road,
Mt. Laurel, NJ 08054-3405.

For emergency information, contact Okidata's agent, the
Xerox Customer Safety hotline, 24 hours a day, at
1-800-828-6571.

Emergency First Aid Procedures

Emergency	Procedure
Contact occurs with skin.	Wash affected area with soap and water.
Contact occurs with eyes.	Flush eyes with large quantities of water for 15 minutes, keeping eyelids open with fingers. Seek medical attention.
Ink is ingested.	If person is conscious, dilute stomach contents with several glasses of water. Seek medical attention.
Ink is inhaled.	Remove person from area of exposure to fresh air.

Preparation Date: June 1, 1998

Ingredients

Water: 40-45%
CAS # 7732-18-5
OSHA PEL N/E*
ACGIH TLV N/E*

Trade Secret Ingredient: 20-30%
New Jersey Trade Secret Registra'n
1664900-5015P/5742P/5695P

TPM: 10-15%
CAS # 20324-33-8
OSHA PEL N/E*
ACGIH TLV N/E*

Dipropylene glycol: 10-15%
CAS # 110-98-5
OSHA PEL N/E*
ACGIH TLV N/E*

Trade Secret Ingredient: <6%
New Jersey Trade Secret
Registration # 15859800-5004

Physical Data

Melting Point: N/D*

Boiling Point: N/D*

Vapor Pressure: N/D*

Evaporation Rate (Butyl Acetate=1): N/D*

Specific Gravity (H₂O=1): N/D*

pH: 7.0 to 7.5

Solubility in Water: Soluble.

Appearance and Odor: Magenta liquid with slight odor.

*N/A = Not applicable, N/D = Not determined, N/E = None established.



Fire and Explosion Hazard Data

Flash Point: Non-flammable

Autoignition Point: N/D*

Flammability Limits, LEL, UEL: N/A*

Extinguishing Media: N/A*

Special Fire and Explosion Procedures: None

Unusual Fire and Explosion Hazards: None.

Health Hazard Data:

Routes of Entry: Skin, eyes, ingestion, inhalation

Health Hazards:

Oral LD₅₀: Not determined.

Dermal LD₅₀: Not determined.

Inhalation LC₅₀: Not determined. Potential inhalation exposure is extremely low given the physical nature of the product.

Skin Irritation: Non-irritating, non-sensitizing.

Eye Irritation: Not an irritant (rabbits).

Ingestion: May cause gastro-intestinal discomfort with ingestion of large quantities.

Mutagenicity: No mutagenicity detected.

Carcinogens: None present.

Reactivity Data

Stability: Stable.

Polymerization: Will not occur.

Hazardous Decomposition or Byproduct: None.

Incompatibility: Acids.

Spill Cleanup and Disposal

Spill Cleanup: Use absorbent towel to wipe up the ink. Rinse area with water.

Waste Disposal: Not a hazardous waste according to Federal Regulation 40 CFR 261. Dispose of in accordance with all applicable Federal, State and Local laws.

Safe Handling and Use

Respiratory Protection: None required when used as intended.

Protective Gloves and/or Eye Protection: Water-proof gloves in unusual handling. Goggles or safety glasses recommended.

Ventilation: Not normally required.

Other Protective Equipment and/or Hygienic Practices: None required when used as intended.

Special Precautions

Precautions for Handling or Storage: Keep out of reach of children.

Other Precautions: None.

The information contained in this Material Safety Data Sheet (MSDS) is based on data considered accurate; however, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third person party proximately caused by the product if reasonable safety procedures are not adhered to as stipulated in the MSDS. Furthermore, vendor assumes no responsibility for injury to vendee or third person party proximately caused by abnormal use of the product even if reasonable safety procedures are followed. Additionally, vendee assumes the risk of their use of the product.



Material Safety Data Sheet (MSDS)

MSDS No. 58321601

for OKIJET 2500 Yellow Ink Cartridge (P/N 52110003)

For more information, contact

OKIDATA

532 Fellowship Road,

Mt. Laurel, NJ 08054-3405.

For emergency information, contact Okidata's agent, the Xerox Customer Safety hotline, 24 hours a day, at 1-800-828-6571.

Emergency First Aid Procedures

Emergency	Procedure
Contact occurs with skin.	Wash affected area with soap and water.
Contact occurs with eyes.	Flush eyes with large quantities of water for 15 minutes, keeping eyelids open with fingers. Seek medical attention.
Ink is ingested.	If person is conscious, dilute stomach contents with several glasses of water. Seek medical attention.
Ink is inhaled.	Remove person from area of exposure to fresh air.

Preparation Date: June 1, 1998

Ingredients

Water: 40-45%

CAS # 7732-18-5

OSHA PEL N/E*

ACGIH TLV N/E*

TPM: 10-15%

CAS # 20324-33-8

OSHA PEL N/E*

ACGIH TLV N/E*

Trade Secret Ingredient: 25-35%

New Jersey Trade Secret

Registration # 15859800-5003

Dipropylene glycol: 10-15%

CAS # 110-98-5

OSHA PEL N/E*

ACGIH TLV N/E*

Physical Data

Melting Point: N/D*

Boiling Point: N/D*

Vapor Pressure: N/D*

Evaporation Rate (Butyl Acetate=1): N/D*

Specific Gravity (H₂O=1): N/D*

pH: 7.0 to 7.5

Solubility in Water: Soluble.

Appearance and Odor: Yellow liquid with slight odor.

*N/A = Not applicable, N/D = Not determined, N/E = None established.



Fire and Explosion Hazard Data

Flash Point: Non-flammable

Autoignition Point: N/D*

Flammability Limits, LEL, UEL: N/A*

Extinguishing Media: N/A*

Special Fire and Explosion Procedures: None

Unusual Fire and Explosion Hazards: None.

Health Hazard Data:

Routes of Entry: Skin, eyes, ingestion, inhalation

Health Hazards:

Oral LD₅₀: Not determined.

Dermal LD₅₀: Not determined.

Inhalation LC₅₀: Not determined. Potential inhalation exposure is extremely low given the physical nature of the product.

Skin Irritation: Non-irritating, non-sensitizing.

Eye Irritation: Not an irritant (rabbits).

Ingestion: May cause gastro-intestinal discomfort with ingestion of large quantities.

Mutagenicity: No mutagenicity detected.

Carcinogens: None present.

Reactivity Data

Stability: Stable.

Polymerization: Will not occur.

Hazardous Decomposition or Byproduct: None.

Incompatibility: Acids.

Spill Cleanup and Disposal

Spill Cleanup: Use absorbent towel to wipe up the ink. Rinse area with water.

Waste Disposal: Not a hazardous waste according to Federal Regulation 40 CFR 261. Dispose of in accordance with all applicable Federal, State and Local laws.

Safe Handling and Use

Respiratory Protection: None required when used as intended.

Protective Gloves and/or Eye Protection: Water-proof gloves in unusual handling. Goggles or safety glasses recommended.

Ventilation: Not normally required.

Other Protective Equipment and/or Hygienic Practices: None required when used as intended.

Special Precautions

Precautions for Handling or Storage: Keep out of reach of children.

Other Precautions: None.

The information contained in this Material Safety Data Sheet (MSDS) is based on data considered accurate; however, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third person party proximately caused by the product if reasonable safety procedures are not adhered to as stipulated in the MSDS. Furthermore, vendor assumes no responsibility for injury to vendee or third person party proximately caused by abnormal use of the product even if reasonable safety procedures are followed. Additionally, vendee assumes the risk of their use of the product.

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